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### 1 [Automatic transformation of series expressions into loops](#)



Richard C. Waters

 January 1991 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,  
Volume 13 Issue 1

Publisher: ACM Press

Full text available: pdf(3.36 MB)

[Full text information: full citation, abstract, references, citings, index terms, review](#)

The benefits of programming in a functional style are well known. In particular, algorithms that are expressed as compositions of functions operating on sequences/vectors/streams of data elements are easier to understand and modify than equivalent algorithms expressed as loops. Unfortunately, this kind of expression is not used anywhere near as often as it could be, for two reasons: (1) most programmers are less familiar with this kind of expression than with loops, and (2) most pro ...

**Keywords:** sequences, series expressions, vectors

### 2 [The Brown University Student Operating System](#)



David S. Wile, Robert G. Miller

 January 1967 **Proceedings of the ACM**, Special Issue on the National conference

Publisher: ACM Press

Full text available: pdf(1.12 MB)

[Full text information: full citation, abstract, references, citings, index terms](#)

The tenet that students taking an introductory course (even, and especially, an experience course) should get some hands-on experience has gradually been accepted in the computer science community. The Student Operating System (SOS) provides: 1) a simple interface for simulating the simplified machine architecture, 2) a program which optimizes program execution, and 3) a ...

### 3 [Pragmatic parsing in Commo](#)



Henry G. Baker

 April 1991 **ACM SIGPLAN Notices**, Volume 26 Issue 2

Publisher: ACM Press

Full text available: pdf(1.06 MB)

[Full text information: full citation, abstract, index terms](#)

We review META, a declarative parser generator that generates recursive descent parsers, that is both

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3883	709/230-235.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/16 10:46
S2	20869	709/201-205,217-228.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/16 10:46
S3	23152	709/230-235.ccls. or 709/201-205, 217-228.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 11:04
S4	6	(709/230-235.ccls. or 709/201-205, 217-228.ccls.) and (content adj server) same stream\$3 same director	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:32
S5	2	manag\$3 near5 (content adj server) same servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:39
S6	4	director near5 (content adj server) same servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:47
S7	13	director near8 (content adj server)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 09:48
S8	9	(director near8 (content adj server) ) not (director near5 (content adj server) same servlet)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:40
S9	0	transcod\$3 near5 (content adj server) same servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:48
S10	5	transcod\$3 near5 (server) same servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:54
S11	16	transcod\$3 same (server) same servlet and IBM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:54
S12	1	("20020087655").PN.	US-PGPUB; USOCR	OR	OFF	2004/09/02 09:48
S13	7	manager near8 (content adj server) and servlet and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:06
S14	0	((content adj server) same servlet) same (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:06
S15	8	((content adj server) same servlet) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:11

## EAST Search History

S16	2	((content adj server) same schedule same servlet)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:12
S17	2	((content adj server) same Javabeen)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:16
S18	15	((content adj server) same JSP)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:28
S19	39	((content adj server) same script) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 11:10
S20	49	((content adj server) near8 instruction) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 11:11
S21	9	((content adj server) near3 instruct) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 11:12
S22	18	((content adj server) near3 instruction) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 11:16
S23	3163	709/235-238.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 14:28
S24	10	709/235-238.ccls. and ((gateway or server) near8 transcoding)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 14:33
S25	7	(gateway or server) near8 transcoding near8 (email or (e adj mail))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 14:39
S26	17	(gateway or server) near8 transform\$3 near8 (email or (e adj mail))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:07
S27	10	transcoding near5 (email or (e adj mail))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:08
S28	4	(transcoding near5 (email or (e adj mail))) not ((gateway or server) near8 transform\$3 near8 (email or (e adj mail))) not ((gateway or server) near8 transcoding near8 (email or (e adj mail))) not (709/235-238.ccls. and ((gateway or server) near8 transcoding))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:12
S29	27	WML near5 conversion near5 HTML	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:13

## EAST Search History

S30	0	WML near5 conversion near5 HTML same ((e adj mail) or email)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:13
S31	6	WML near5 conversion near5 HTML and ((e adj mail) or email)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:16
S32	583	WAP adj gateway	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:16
S33	6	WAP adj gateway same ((e adj mail) or email) and (MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:27
S34	223	mail adj server and (international adj business\$.as.)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:28
S35	7	mail adj server and (international adj business\$.as.) and transcoding	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:37
S36	13	(international adj business\$.as.) and transcoding and (email or (e adj mail)) and (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:10
S37	103	IIS same (email or (e adj mail)) and (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:10
S38	3	IIS same (email or (e adj mail)) same (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:11
S39	103	"IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:11
S40	19	"IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:11
S41	19	("IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3)) not (IIS same (email or (e adj mail)) same (JPEG or MPEG or MP3))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:46
S42	88	MIME and POP3 and URL and JPEG	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:47
S43	15	MIME and POP3 and URL and (JPEG and transcoding)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:53

## EAST Search History

S44	15	(US-20020194366-\$ or US-20020194483-\$ or US-20020194501-\$ or US-20020196935-\$ or US-20020199001-\$ or US-20020199096-\$ or US-20020178360-\$ or US-20030187936-\$ or US-20030135563-\$ or US-20030135561-\$ or US-20030135560-\$ or US-20030041110-\$ or US-20030009694-\$ or US-20020165912-\$ or US-20020010746-\$).did.	US-PGPUB	OR	OFF	2004/09/03 17:49
S45	15	(MIME and POP3 and URL and (JPEG and transcoding)) and (JPEG and transcoding)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:50
S46	13	((US-20020194366-\$ or US-20020194483-\$ or US-20020194501-\$ or US-20020196935-\$ or US-20020199001-\$ or US-20020199096-\$ or US-20020178360-\$ or US-20030187936-\$ or US-20030135563-\$ or US-20030135561-\$ or US-20030135560-\$ or US-20030041110-\$ or US-20030009694-\$ or US-20020165912-\$ or US-20020010746-\$).did.) and (JPEG same transcoding)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:53
S47	4	MIME and POP3 and URL and (JPEG same transcode)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:53
S48	1	MIME and POP3 and URL and (JPEG same (transforming or transform))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:55
S49	9	MIME and URL and (JPEG same (transforming or transform))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:59
S50	17	MIME and (JPEG same (transforming or transform))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 18:00
S51	3	((e adj mail) or email) adj (server or gateway)) and (JPEG same MPEG same (transforming or transform))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 18:02

## EAST Search History

S52	14	((e adj mail) or email) adj (server or gateway)) and (JPEG same MPEG same (transcod\$5))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 18:03
S53	63	(user adj control) same broadcast\$3 same stream\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:44
S54	63	"user control" same broadcast\$3 same stream\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:45
S55	873	(play or pause or stop) same broadcast\$3 same stream\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:45
S56	317	(play or pause or stop) same broadcast\$3 same stream\$3 and client and server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:45
S57	142	(play or pause or stop) same broadcast\$3 same stream\$3 and client and server and (HTML or XML)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:46
S58	70	(play or pause or stop) same broadcast\$3 same stream\$3 and client and server and (HTML or XML) and (URL same stream\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:46
S59	3	(play or pause or stop) same broadcast\$3 same stream\$3 and client and server and (HTML or XML) and (URL same stream\$3) and servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:46
S60	0	("20030177030").PN.	USPAT; USOCR	OR	OFF	2004/09/07 15:21
S61	1	("20030177030").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/07 15:23
S62	1	("6564261").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/07 15:23
S63	1556	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:35
S64	6151	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:36
S65	0	7015/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:36
S66	2489	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:36



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S67	891	719/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 16:37
S68	1556	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:44
S69	6151	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:44
S70	2489	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:44
S71	10689	S68 or S69 or S70 or S67	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 16:56
S72	656	S71 and (user adj control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 16:57
S73	890	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:23
S74	511	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:23
S75	1375	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S76	31631	709/201-203,217-235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S77	2829	719/311-318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24

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S78	753	717/101-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S79	381	725/112.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S80	340	717/114.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S81	139	719/311.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S82	908	714/755,759.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S83	890	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:24
S84	511	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S85	1375	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25
S86	31631	709/201-203,217-235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25
S87	891	719/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25

## EAST Search History

S88	1556	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:25
S89	6151	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:25
S90	2489	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:25
S91	10689	S88 or S89 or S90 or S87	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25
S92	47	S91 and routine near5 URL	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25
S93	39892	S73 or S74 or S75 or S76 or S77 or S78 or S79 or S80 or S81 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:26
S94	47	S93 and URL same select\$5 near5 routine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:27
S95	18	S93 and broadcast\$5 near5 user adj control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:28
S96	102	S93 and HTML near5 user near3 control\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:28
S97	0	S93 and remot\$5 same (ident\$5 or identific\$5) same adminstrat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:30

## EAST Search History

S98	310	S93 and remot\$5 same (ident\$5 or identific\$5) same administrat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:30
S99	16	S93 and remot\$5 near5 (ident\$5 or identific\$5) near5 administrat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:31
S10 0	2	S93 and extract\$5 near5 dependence near5 instruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:32
S10 1	769	717/101-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:11
S10 2	384	725/112.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:11
S10 3	921	714/755,759.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:19
S10 4	26996	709/217-232.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:04
S10 5	5088	709/236-244.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:04
S10 6	1518	718/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05

## EAST Search History

S10 7	900	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S10 8	2877	719/311-318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S10 9	404	719/330.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S11 0	521	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S11 1	769	717/101-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S11 2	384	725/112.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S11 3	349	717/114.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06
S11 4	0	717/759,755.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06
S11 5	2682	715/513,752.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06
S11 6	285	379/265.09.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06

## EAST Search History

S11 7	3931	709/206,207.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06
S11 8	42406	S101 or S102 or S103 or S104 or S105 or S106 or S107 or S108 or S109 or S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:07
S11 9	91	S118 and (email or (e adj mail)) near5 administration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:07
S12 0	642	S118 and (email or (e adj mail)) near5 administrat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:07
S12 1	1	("6377991").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 08:08
S12 2	1	("6,842,860").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 08:09
S12 3	0	(S121 or S122) and (bitwise near5 "and")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:09
S12 4	225	(bitwise near5 "and" near5 bit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:11
S12 5	0	S124 same http	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:10
S12 6	26	S124 and http and header	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:10
S12 7	0	(bitwise near5 "and" near5 bit) same header	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:12

## EAST Search History

S12 8	6	(bitwise near5 "and" near5 bit) same string	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 09:05
S12 9	1	("5757895").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 09:05
S13 0	1	("6081591").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 09:06
S13 1	2	((("6081591") or ("5999525")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 09:06
S13 2	3	((("6081591") or ("5999525") or ("5822420")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 09:06
S13 3	2	((("6081591") or ("5726984")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 10:47
S13 4	3	((("6081591") or ("5726984") or ("6, 731,625")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 11:57
S13 5	17	"6,731,625"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 11:57
S13 6	1	("6,731,625").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 11:57
S13 7	4	((("5920725") or ("5995472") or ("6430570") or ("6298478")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/12 17:05
S13 8	5	((("5920725") or ("5995472") or ("6430570") or ("6298478") or ("20020087655")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/12 17:40
S13 9	4	director adj authority	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:42
S14 0	1120	event adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:42
S14 1	3	event adj filter near5 chain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:45

## EAST Search History

S14 2	2	filter near chain near2 event	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:47
S14 3	13	multiple near2 event near filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 4	1	S143 and transform\$5 near5 event	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 5	44	transform\$5 near5 event near5 filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 6	17	transform\$5 near3 event near3 filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 7	10	transform\$5 near2 event near2 filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 8	910	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:29
S14 9	523	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
S15 0	1398	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
S15 1	32882	709/201-203,217-235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29



## EAST Search History

S15 2	2913	719/311-318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
S15 3	784	717/101-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
S15 4	397	725/112.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
S15 5	355	717/114.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
S15 6	1398	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
S15 7	1616	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:30
S15 8	6367	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:30
S15 9	2589	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:30
S16 0	2589	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:30
S16 1	523	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:30
S16 2	142	719/311.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:30

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S16 3	934	714/755,759.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:30
S16 4	41414	S148 or S149 or S150 or S151 or S152 or S153 or S154 or S155 or S156 or S157 or S158 or S159 or S160 or S161 or S162 or S163	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:31
S16 5	20	S164 and transcod\$5 near5 attribut\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:32
S16 6	77	transcod\$5 near5 attribut\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:32
S16 7	1887	digital near5 stream\$5 near5 format	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:32
S16 8	99	S167 and transcod\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:32
S16 9	35059	709/201-203,217-235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/16 10:45
S17 0	31982	709/201-205,217-228.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/16 10:46
S17 1	5843	709/230-235.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/16 10:46
S17 2	384	717/114.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/16 10:46
S17 3	6765	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/16 10:46

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S17 4	2794	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/16 10:47
S17 5	39223	S169 or S170 or S171 or S172 or S173 or S174	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/16 10:47
S17 6	96	S175 and macro near5 control\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/16 10:47

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